

10/551220

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

ATTY DOCKET NO.

03500.17654

APPLICATION NO. N.Y.A.

Nat'l Stage of  
PCT/JP03/13532

APPLICANT

Tatsuki Fukui et al.

FILING DATE

October 23, 2003

GROUP

N.Y.A.

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GM		6,803,444 A2	10/12/04	Suzuki et al.	528	361	02/28/02

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
GM	JP	2001-69968	03/21/01	Japan			Abstract
GM	EP	1 236 752 A1	09/04/02	Europe			

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

GM		Joanne M. Curley et al., "Production of Poly(3-hydroxyalkanoates) Containing Aromatic Substituents by <i>Pseudomonas oleovorans</i> " 29 Macromol. 1762-1766 (1996).					
EXAMINER	/Gennadiy Mesh/			DATE CONSIDERED 01/15/2007			

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08/12/05

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				APPLICANT <b>Tatsuki Fukui et al.</b>			
				FILING DATE <b>October 23, 2003</b>		GROUP <b>1711</b>	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GM		6,872,788 B2	03/29/05	Imamura et al.	525	440	
GM		6,521,429 B2	02/18/03	Honma et al.	435	135	
GM		6,635,782 B2	10/21/03	Honma et al.	560	53	
GM		2004/0092702 A1	05/13/04	Honma et al.	528	272	
GM		6,911,521 B2	06/28/05	Kenmoku et al.	528	295	
GM		2003/0113368 A1	06/19/03	Nomoto et al.	424	450	
GM		2003/0194789 A1	10/16/03	Honma et al.	435	135	
GM		6,649,380 B1	11/18/03	Yano et al.	435	135	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
GM	JP	7-120975	05/12/95	Japan			Abstract
GM	JP	2001-288256	10/16/01	Japan			Abstract
GM	JP	2002-80571	03/19/02	Japan			Abstract
GM	JP	5-7492	01/19/93	Japan			Abstract
GM	JP	6-15604 B2	03/02/94	Japan			Abstract
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GM		Bruce A. Ramsay et al., "Effect of Nitrogen Limitation on Long-Side-Chain Poly- $\beta$ -Hydroxyalkanoate Synthesis by <i>Pseudomonas resinovorans</i> ," 58(2) Appl. Environ. Microbiol. 744-46 (1992).					
GM		Katharina Fritzsche et al., "An Unusual Bacterial Polyester with a Phenyl Pendant Group," 191 Macromol. Chem. 1957-65 (1990).					
GM		Y.B. Kim et al., "Preparation and Characterization of Poly( $\beta$ -Hydroxyalkanoates) Obtained from <i>Pseudomonas oleovorans</i> with Mixtures of 5-Phenylvaleric Acid and <i>n</i> -Alkanoic Acids," 24 Macromol. 5256-60 (1991).					
GM		Safwat Antoun et al., "Production of Chiral Polyester by <i>Pseudomonas oleovorans</i> Grown with 5-Phenyl-2,4-Pentadienoic Acid," 3(6) Chirality 492-94 (1991).					
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/Gennadiy Mesh/				01/15/2007			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GM		6,645,743 B1	11/11/03	Honma et al.	435	146	
GM		2003/0207412 A1	11/06/03	Kenmoku et al.	435	135	
GM		5,004,664	04/02/91	Fuller et al.	430	106.6	
GM		5,667,927	09/16/97	Kubota et al.	430	109	
GM		4,480,021	10/30/84	Lu et al.	430	106.6	
GM		4,442,189	04/10/84	Lu et al.	430	45	
GM		2003/0180899 A1	09/25/03	Honma et al.	435	135	
GM		6,586,562 B2	07/01/03	Honma et al.	528	361	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
GM	JP	7-14352 B2	02/22/95	Japan			Abstract
GM	JP	8-19227 B2	02/28/96	Japan			Abstract
GM	JP	5-93049	04/16/93	Japan			Abstract
GM	JP	7-265065	10/17/95	Japan			Abstract
GM	WO	2004/097417 A1	11/11/04	International			
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GM		Suzette M. Aróstegui et al., "Bacterial Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Nitrophenyl Groups," 32 <i>Macromol.</i> 2889-95 (1999).					
GM		Helmut Ritter et al., "Bacterial Production of Polyesters Bearing Phenoxy Groups in the Side Chains, 1 Poly(3-Hydroxy-5-Phenoxypentanoate- co-3-Hydroxy-9-Phenoxy-Nonanoate) from <i>Pseudomonas oleovorans</i> ," 195 <i>Macromol. Chem. Phys.</i> 1665-72 (1994).					
GM		Young Baek Kim et al., "Poly-3-hydroxyalkanoates Produced from <i>Pseudomonas oleovorans</i> Grown with $\omega$ -Polyhydroxyalkanoates," 29 <i>Macromol.</i> 3432-35 (1996).					
GM		Ohyoung Kim et al., "Bioengineering of Poly( $\beta$ -hydroxyalkanoates) for Advanced Material Applications: Incorporation of Cyano and Nitrophenoxy Side Chain Substituents," 41 (Supp. 1) <i>Can. J. Microbiol.</i> 32-43 (1995).					
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GM		6,649,381 B1	11/18/03	Honma et al.	435	135	
GM		2004/0067576 A1	04/08/04	Honma et al.	435	252.34	
GM		5,200,332	04/06/93	Yamane et al.	435	135	
GM		4,393,167	07/12/83	Holmes et al.	525	64	
GM		4,876,331	10/24/89	Doi	528	361	
GM		5,292,860	03/08/94	Shiotani et al.	528	361	
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
GM	JP	9-191893	07/29/97	Japan			Abstract
GM	JP	2642937 B2	05/02/97	Japan			Abstract
GM	JP	2989175 B1	10/08/99	Japan			Abstract
GM	JP	6-289644	10/18/94	Japan			Abstract
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GM		Richard A. Gross et al., "Cyanophenoxy-Containing Microbial Polyesters: Structural Analysis, Thermal Properties, Second Harmonic Generation and In-Vivo Biodegradability," 39 <u>Polymer International</u> 205-13 (1996).					
GM		Marianela Andújar et al., "Polyesters Produced by <i>Pseudomonas oleovorans</i> Containing Cyclohexyl Groups," 30 <u>Macromol.</u> 1611-15 (1997).					
GM		M.Y. Lee et al., "Hydrophilic Bacterial Polyesters Modified with Pendant Hydroxyl Groups," 41 <u>Polymer</u> 1703-09 (2000).					
GM		Lindsay H. Briggs et al., "Degradation of the Lanosterol Side-chain," <u>J.C.S. Perkin I</u> , 806-09 (1973).					
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GM		4,795,690	01/03/89	Shindo et al.	430	109	
GM		5,612,161	03/18/97	Watanabe et al.	430	110	
GM		6,492,147 B1	12/10/02	Imamura et al.	435	135	
GM		4,925,765	05/15/90	Madeleine	430	110	

  

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GM	JP	9-274335	10/21/97	Japan			Abstract
GM	JP	9-281746	10/31/97	Japan			Abstract
GM	JP	60-108861	06/14/85	Japan			Abstract
GM	JP	61-3149	01/09/86	Japan			Abstract
GM	JP	63-38958	02/19/88	Japan			Abstract

  

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GM		J.K. Stille et al., "Tetracyclic Dienes. I. The Diels-Alder Adduct of Norbornadiene and Cyclopentadiene," 81 <i>J. Am. Chem. Soc.</i> 4273-75 (August 1959).
GM		Henry J. Vogel et al., "Acetylornithinase of <i>Escherichia coli</i> : Partial Purification and Some Properties," 218 <i>J. Biol. Chem.</i> 97-106 (1956).
GM		Harry R. Allcock et al., "Reactions of Steroid Salts with Hexachlorocyclotriphosphazene," 46 <i>J. Org. Chem.</i> 13-22 (1981).
GM		Hideki Abe et al., "Biosynthesis from Gluconate of a Random Copolyester Consisting of 3-hydroxybutyrate and Medium-Chain-Length 3-Hydroxyalkanoates by <i>Pseudomonas</i> sp. 61-3," 16(3) <i>Int. J. Biol. Macromol.</i> 115-19 (June 1994).

  

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GM	JP	63-88564	04/19/88	Japan			Abstract
GM	JP	7-72658	03/17/95	Japan			Abstract
GM	JP	8-179564	07/12/96	Japan			Abstract
GM	JP	2623684 B2	04/11/97	Japan			Abstract
GM	JP	59-190945	10/29/84	Japan			Abstract
GM	JP	2807795 B2	07/31/98	Japan			Abstract

  

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BU		<u>Organic Synthesis</u> , vol. 4, pp. 695-99 (1963).

  

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GM	2005/0143574 A1	06/30/05	Minami et al.	536	126	
GM	2006/0040366 A1	02/23/06	Kenmoku et al.	435	135	

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